In the Abstract of the Disclosure:

Please amend the Abstract of the Disclosure as follows:

~~Optimum bond parameters for a bond force F_n and an ultrasonic variable P_n and, optionally, at least one further bond parameter C_n of a Wire Bonder for ball bonding can be determined by means of a method with which a predetermined number of bond cycles is carried out, whereby the bond parameters to be optimised are each varied within a predefined range, whereby with each bond cycle n, after attachment of the wire ball to the connection point of the semiconductor chip, the following steps are carried out:~~

~~a) Application of a predetermined bond force $F_{n,v}$~~

~~b) Movement of the capillary out of the bond position in a predetermined horizontal direction whereby the current $I_{B,n}$ flowing through the drive which moves the capillary is monitored,~~

~~c)Stopping the movement of the capillary as soon as the current $I_{B,n}$ decreases,~~

~~d) Determining the maximum of the current $I_{B,n,max}$ ($F_{B,n}$, $P_{B,n}$, $C_{B,n}$) from the progression of the current $I_{B,n}(t)$ established during steps b) and c)~~

~~e) Movement of the capillary to the bond position,~~

~~f) Attachment of the wire ball to the connection point of the semiconductor chip, and whereby, from the values $I_{B,n,max}$ ($F_{B,n}$, P_n, C_n) established with the n bond cycles, those values for the bond force F_n, the ultrasonic variable P_n and the, if necessary, at least one further bond parameter C_n are determined as optimum bond parameters for which the current $I_{B,n,max}$ ($F_{B,n}$, P_n, C_n) reaches a maximum.~~

A predetermined number of bond cycles is carried out in order to find optimum bond parameters for a wire bonder. The bond parameters to be optimized are each varied within a predefined range. With each bond cycle, after attachment of the wire to the connection point, the capillary is moved out of the bond position in a

predetermined horizontal direction whereby the current flowing through the drive which moves the capillary is monitored and its maximum determined.